

ABSTRACT

Title: Air Conditioning System

An air conditioning system (10) for an aircraft in which cabin (44, 45) air is recirculated and mixed with cold air from an air conditioning machine which includes at least an expansion turbine (41) over which warm pressurised air is expanded and cooled, and wherein the system (10) includes a heat exchanger (38; 38a, 38b) in which a heat load from hot cabin (44, 45) air and/or a hot avionics system (68) is exchanged with the warm pressurised air prior to the pressurised air being expanded by the expansion turbine (41).